

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	0	"6091355".pn. AND (VCO voltage NEAR5 controlled NEAR5 oscillat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 22:34
L12	0	"6091355".pn. AND ((varactor veractor varicap (tuning tunable) ADJ diode) diode WITH capacitance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:12
L13	0	"6091355".pn. AND (PLL OR phase\$1 ADJ lock\$2 ADJ loop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:12
L14	0	"6091355".pn. AND (frequency NEAR divid\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:12
L16	0	"6091355".pn. AND (frequency NEAR3 modulat\$4 FM)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:12
L17	0	"6091355".pn. AND (amplitude NEAR3 modulat\$4 AM)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:13
L18	0	"6091355".pn. AND (modulat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:13
L19	0	"6091355".pn. AND (frequency WITH capacitance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:13

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L20	0	"6091355".pn. AND (voltage WITH capacitance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:13
L21	1	"6091355".pn. AND (voltage WITH oscillat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:13
L22	1	"6091355".pn. AND (frequency WITH diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:13
L23	0	"6091355".pn. AND (ring WITH mixer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:13
L26	0	"3454945".pn. AND (VCO voltage NEAR5 controlled NEAR5 oscillat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:12
L27	1	"3454945".pn. AND ((varactor veractor varicap (tuning tunable) ADJ diode) diode WITH capacitance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:13
L28	0	"3454945".pn. AND (PLL OR phase\$1 ADJ lock\$2 ADJ loop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:12
L29	0	"3454945".pn. AND (frequency NEAR divid\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:12

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L30	1	"3454945".pn. AND (frequency NEAR3 modulat\$4 FM)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:15
L31	0	"3454945".pn. AND (amplitude NEAR3 modulat\$4 AM)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:13
L32	1	"3454945".pn. AND (modulat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:15
L33	1	"3454945".pn. AND (frequency WITH capacitance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:15
L34	0	"3454945".pn. AND (voltage WITH capacitance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:13
L35	1	"3454945".pn. AND (voltage WITH oscillat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:15
L36	1	"3454945".pn. AND (frequency WITH diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:16
L37	0	"3454945".pn. AND (ring WITH mixer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:13

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L38	0	"6091355".pn. AND variable ADJ (capacitor capacitance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 21:17
L39	0	"6091355".pn. AND (mixer WITH (balanced hybrid ring))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 22:36
L40	16	"hybrid ring mixer"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 22:42
L41	20	"rat-race mixer" "rat race mixer"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 23:19
L44	206	(342/200).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/07 23:19
L45	3	("3454945").URPN.	USPAT	OR	ON	2007/08/07 23:20
L46	72	("2626986"   "2641458"   "2647032"   "3567951"   "3907429"   "4028699"   "4128761"   "4150825"   "4160942"   "4180726"   "4405925"   "4515365"   "4545576"   "4563005"   "4577863"   "4583733"   "4592001"   "4731611"   "4736454"   "4770527"   "4908615"   "4931799"   "4967201"   "5059927"   "5069450"   "5262783"   "5333855"   "5365427"   "5393974"   "5401016"   "5418359"   "5419549"   "5423080"   "5432482"   "5479008"   "5497163"   "5563617"   "5818381").PN. OR ("6091355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 23:20

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L47	31	("6091355").URPN.	USPAT	OR	ON	2007/08/07 23:21
L48	31	("6091355").URPN.	USPAT	OR	ON	2007/08/07 23:21
L49	41	("2626986"   "2641458"   "2647032"   "3567951"   "3907429"   "4028699"   "4128761"   "4150825"   "4160942"   "4180726"   "4405925"   "4515365"   "4545576"   "4563005"   "4577863"   "4583733"   "4592001"   "4731611"   "4736454"   "4770527"   "4908615"   "4931799"   "4967201"   "5059927"   "5069450"   "5262783"   "5333855"   "5365427"   "5393974"   "5401016"   "5418359"   "5419549"   "5423080"   "5432482"   "5479008"   "5497163"   "5563617"   "5818381").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/07 23:21
S1	1	10/541994	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 17:39
S2	66	(HEIDE-PATRIC).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 17:38
S3	1	S2 AND (substrate AND radar AND oscillat\$4 AND mix\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 17:36
S4	1	S2 AND (substrate AND radar). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 17:35
S5	8	S2 AND (substrate AND radar AND oscillat\$4 AND mix\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 17:38

## EAST Search History

S6	10	S2 AND (substrate AND radar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 17:38
S7	203	(342/200).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/12 17:43
S8	1332	(342/175,200).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/12 17:44
S9	6425	(342/175,187-205).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/12 17:42
S10	7255	(455/73-88,90.1-90.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/12 17:45
S11	1174	"257".clas. AND radar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 18:31
S12	1618	"257".clas. AND (radar OR transceiver).ti,ab,bsum,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 18:44
S13	9	("4931799" "5497163" "6486826"  "6501415").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 19:30

## EAST Search History

S14	3	S13 AND radar AND mix\$3 AND (oscillat\$4 OR VCO) AND substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 19:33
S15	5	S8 AND (mixer WITH diode) AND (oscillat\$4 OR VCO OR VCXO OR OSC) AND substrate SAME (dielectric\$4 OR insulat\$3 OR nonconduct\$5 OR non ADJ conduct\$5 OR silicon ADJ dioxide OR silica) WITH layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 21:04
S16	2	S8 AND (mixer WITH diode) AND (oscillat\$4 OR VCO OR VCXO OR OSC) WITH (tune\$2 OR tuning OR tunable OR adjust\$4 OR calibrat\$3 OR change\$2 OR changing) NEAR3 frequency AND substrate SAME (dielectric\$4 OR insulat\$3 OR nonconduct\$5 OR non ADJ conduct\$5 OR silicon ADJ dioxide OR silica) WITH layer SAME (metal OR metallic\$4 OR conduct\$4 OR copper OR aluminum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 21:06
S17	3	S15 NOT S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 21:05
S18	7	"342".clas. AND (mixer WITH diode) AND (oscillat\$4 OR VCO OR VCXO OR OSC) SAME (tune\$2 OR tuning OR tunable OR adjust\$4 OR calibrat\$3 OR change\$2 OR changing) NEAR3 frequency SAME (resonat\$4 or resonant\$2) AND substrate SAME (dielectric\$4 OR insulat\$3 OR nonconduct\$5 OR non ADJ conduct\$5 OR silicon ADJ dioxide OR silica) WITH layer SAME (metal OR metallic\$4 OR conduct\$4 OR copper OR aluminum) NOT S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 21:18

## EAST Search History

S19	2	(S11 OR S12) AND (mixer WITH diode) AND (oscillat\$4 OR VCO OR VCXO OR OSC) SAME (tune\$2 OR tuning OR tunable OR adjust\$4 OR calibrat\$3 OR change\$2 OR changing) NEAR3 frequency SAME (resonat\$4 or resonant\$2) AND substrate SAME (dielectric\$4 OR insulat\$3 OR nonconduct\$5 OR non ADJ conduct\$5 OR silicon ADJ dioxide OR silica) WITH layer SAME (metal OR metallic\$4 OR conduct\$4 OR copper OR aluminum) NOT S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 21:18
S20	0	(S10) AND radar AND (mixer WITH diode) AND (oscillat\$4 OR VCO OR VCXO OR OSC) SAME (tune\$2 OR tuning OR tunable OR adjust\$4 OR calibrat\$3 OR change\$2 OR changing) NEAR3 frequency SAME (resonat\$4 or resonant\$2) AND substrate SAME (dielectric\$4 OR insulat\$3 OR nonconduct\$5 OR non ADJ conduct\$5 OR silicon ADJ dioxide OR silica) WITH layer SAME (metal OR metallic\$4 OR conduct\$4 OR copper OR aluminum) NOT S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 21:17
S21	0	(S10) AND radar AND (mixer WITH diode) AND (oscillat\$4 OR VCO OR VCXO OR OSC) SAME (tune\$2 OR tuning OR tunable OR adjust\$4 OR calibrat\$3 OR change\$2 OR changing) NEAR3 frequency AND substrate SAME (dielectric\$4 OR insulat\$3 OR nonconduct\$5 OR non ADJ conduct\$5 OR silicon ADJ dioxide OR silica) WITH layer SAME (metal OR metallic\$4 OR conduct\$4 OR copper OR aluminum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/12 21:17